



# Formulation

Name	<b>STRUCTURED LIQUIDS TECHNOLOGY - WATER-BASED MOISTURIZING SUGAR SCRUB</b>	
No.	1244	
Description	A natural body scrub containing naturally-derived ingredients. This formulations uses STEPAN-MILD GCC and Shea Butter to soften the skin, while the presence of Sugar aids in exfoliating the skin.	
Formulation	<u>INGREDIENTS:</u>	<u>% by Weight</u> <u>Functionality</u>
	STEPAN-MILD® GCC	5.5 Structure Agent, Surfactant
	Shea Butter	0.4 Moisturizing Agent
	Soybean Oil	4.5 Moisturizing Agent
	Fragrance #4200 (Chemia)	0.4 Fragrance
	STEPANOL® AM-CIT/MIT	7.5 Surfactant
	Sugar	70.0 Exfoliating Additive
	Deionized Water	q.s. to 100.0 Diluent
	<b>Total</b>	<b>100.0</b>
Procedure	<ol style="list-style-type: none"> <li>1. In a suitable vessel equipped with heating and agitation capabilities, charge STEPAN-MILD® GCC and Shea Butter, melting it gently and mixing to dissolve. A Jiffy mixer is recommended.</li> <li>2. Charge Soybean Oil and Fragrance with gently agitation, using a Jiffy mixer to homogenize.</li> <li>3. Charge STEPANOL® AM-CIT/MIT and mix gently with a Jiffy mixer until a homogeneous, thin lamellar phase is obtained.</li> <li>4. Add Sugar then apply mechanical stirring using an A-shaped blade paddle until the mixture thickens into a smooth paste.</li> <li>5. Add Deionized Water with continued mixing using an A-shaped blade paddle. Use of warm water will accelerate the process.</li> </ol>	
Physical Properties	Appearance at 25°C	Flowable suspension
Storage/ Stability	4 weeks at 5°C	Stable
	4 weeks at 25°C	Stable
	4 weeks at 45°C	Stable
	Freeze/Thaw 3 cycles	Pass
Instructions for Use	Apply desired amount of sugar scrub to wet skin from shoulders to ankles. Massage in a circular motion. Rinse with water.	
External Comment	<p>Marketing Notes: Structured Liquids are a patented technology, used for suspension of particles and is free from the use of polymers. Naturally-derived is defined as derived from biorenewable resource originating from animal, plant or marine feedstock. This luxurious sugar scrub utilizes natural oil along with Shea Butter to help gently exfoliate, moisturize, and leave the skin feeling silky smooth, enhancing every manicure and pedicure service while also being versatile as a full-body scrub. BCI = 98. Total Biorenewable Carbon Index (BCI) was calculated only for the Stepan surfactants used in this formulation. Other ingredients were not evaluated. For further</p>	

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information on Stepan's BCI, visit [www.stepan.com](http://www.stepan.com).

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**Stepan** 

Stepan Company  
Northfield, Illinois 60093  
Telephone (847) 446-7500

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